FORTHCOMING MEETINGS AND COURSES

Announcements for this section should be submitted in the correct format, at least 3 months before the required date of publication. This list is provided as a service to readers; inclusion does not imply endorsement by the Journal.

**Functional Surgery of the Arm of the Tetraplegic and Sport and Tetraplegia**
February 7-8, 1992 – Montpellier
Mrs C. Gilbert, Centre Propara, 263 Rue du Caducée, Parc Euromedicine, 34097 Montpellier, France

**Continuing Orthopaedic Education: Orthopaedics in the Elderly**
February 13-15, 1992 – Dunedin
Mr H. A. P. Swan, Department of Orthopaedic Surgery, Dunedin Hospital, Dunedin, New Zealand

**American Academy of Orthopaedic Surgeons: 59th Annual Meeting**
February 20-25, 1992 – Washington, DC
AAOS, Convention and Meeting Services Department, 222 S. Prospect Avenue, Park Ridge, IL 60068, USA

**Australian Pain Society: 13th Annual Scientific Conference**
March 2-6, 1992 – Perth, Western Australia
Dianna Crebbin Conferences, PO Box 629, Willoughby, New South Wales 2068, Australia

**Course on Skeletal Radiology**
Ms Ann Lucas, Postgraduate Secretary, Institute of Orthopaedics, The Middlesex Hospital, Mortimer Street, London W1N 8AA, England

**Society for Back Pain Research: Spring Meeting**
March 13, 1992 – London
Mrs J. Reynolds, Society for Back Pain Research, 309 Bawtry Road, Bessacarr, Doncaster DN4 7PA, England

**Asian Federation of Sports Medicine: Inaugural Scientific Congress in conjunction with the Council of Delegates Meeting of the International Federation of Sports Medicine**
March 17-24, 1992 – Hong Kong
Dr K. M. Chan, Chairman, Organising Committee, c/o Secretariat, FIMS - 1992 - Hong Kong, Hong Kong Sports Institute, (Jubilee Sports Centre), Shatin, New Territories, Hong Kong

**British Scoliosis Society: Instructional Course**
March 19, 1992 – Newcastle, Northern Ireland
Mr J. A. Halliday, 13 Bristow Park, Belfast, Northern Ireland BT9 6TF

**British Scoliosis Society: Annual Meeting**
March 20-21, 1992 – Newcastle, Northern Ireland
Mr J. A. Halliday, 13 Bristow Park, Belfast, Northern Ireland BT9 6TF

**British Orthopaedic Research Society: Spring Meeting**
April 2-3, 1992 – Nottingham
Mr D. Marsh, Clinical Sciences Building, Hope Hospital, Eccles Old Road, Salford M6 8HD, England

**Australasian College of Rehabilitation Medicine: 12th Annual Scientific Meeting**
April 12-15, 1992 – Melbourne
Conference Office, PO Box 629, Willoughby, NSW, Australia 2068

**Japanese Orthopaedic Association: 65th Annual Meeting**
April 16-19, 1992 – Fukuoka
Dr Y. Sugioka, President, Department of Orthopaedic Surgery, Faculty of Medicine, Kyushu University, 3-1-1 Maidashi, Higashi-ku, Fukuoka 812, Japan

**Calcium Regulating Hormones: Xth International Conference**
April 24-29, 1992 – Florence
OIC, Via G. Modena, 19, 50121 Florence, Italy

**Seminar on Current Trends on Congenital Dislocation of the Hip**
April 29-30, 1992 – Madrid
Technical Secretariat, Instituto Vikingo, SA, Calle Embajadores, 196 - 28045 Madrid, Spain

**Towards the 21st Century: The Orthopaedic Horizon**
April 29-30, 1992 – Haifa
David G. Mendes, MD, Director of the Center for Implant Surgery, PO Box 4940, Haifa 31048, Israel

**Computer Methods in Biomechanical and Biomedical Engineering: International Symposium**
May 5-7, 1992 – Swansea, UK
Mr J. Middleton, Department of Civil Engineering, University College of Swansea, Swansea SA2 8PP, Wales

**Course on Radiology of Bones and Joints**
May 6-8, 1992 – London
Ms Ann Lucas, Postgraduate Secretary, Institute of Orthopaedics, The Middlesex Hospital, Mortimer Street, London W1N 8AA, England

**1992 Meeting of the Belgian Orthopaedic Societies**
May 11-13, 1992 – Liège
Professeur Roger Lemaire, Service d’Orthopédie, CHU du Sart-Tilman, 4000 Liège, Belgium

**International Society for Study of the Lumbar Spine: 19th Annual Meeting**
May 20-24, 1992 – Chicago
Dr James Weinstein, Secretary, Sunnybrook Medical Centre, Room A309, 2075 Bayview Avenue, Toronto, Canada M4N 3M5

**NATO Advanced Research Workshop: Advances in the Biomechanics of the Hand and Wrist**
May 22-23, 1992 – Brussels
Dr F. Schuind, Department of Orthopaedics, Hospital Erasme (Free University of Brussels), 808 route de Lennik, 1070 Brussels, Belgium
First World Congress of Sports Trauma  
May 25-29, 1992 – Palma de Mallorca  
CIC, San Miguel 30, 4 D bis, E-07002 Palma de Mallorca, Spain

European Society of Paediatric Neurosurgery: 25th Congress  
May 31-June 2, 1992 – Berlin  
Professor Mario Brock, Congress President, Department of Neurosurgery, Free University of Berlin, Hindenburgdamm 30, W-1000 Berlin 45, Germany

Course on Musculoskeletal Pathology  
June 1-6, 1992 – Bologna  
Mrs A. Pasquali/Mrs M. Zanasi/Mrs A. Casari, Laboratorio di Ricerca Oncologica, Istituti Ortopedici Rizzoli, via di Barbiano 1/10, Bologna, Italy

Digital Imaging Processing Applied to Orthopaedic and Dental Implants  
June 8-13, 1992 – Portugal  
M. Barbosa, Department of Metallurgy, Faculty of Engineering, University of Porto, Rua dos Bragas, 4099 Porto Codex, Portugal

Spinal Disorders for the General Orthopaedic Surgeon  
June 10-12, 1992 – Bristol  
Mrs A. Richards, Department of Orthopaedic Surgery, Bristol Royal Infirmary, Bristol BS2 8HW, England

Orthopaedic Associations of the English Speaking World: 9th Combined Meeting  
June 21-26, 1992 – Toronto  
Dr J. Kostuik, Organizing Chairman, 9th Combined Meeting Orthopaedic Associations of the English Speaking World, Suite 350, 55 York Street, Toronto, Ontario, Canada M5J 1R7

International Course on the Methods of Ilizarov  
June 25-26, 1992 – Antwerp  
Dr Jan Van Melkebeek, O.-L.-V. Middelares Hospital, Florent Pauwelslei 1, B-2100 Deurne, Belgium

Cervical Spine Research Society: 3rd Common Meeting  
June 25-28, 1992 – Athens  
Scientific Committee, 3rd Common Meeting of CSRS, c/o Professor D. S. Korres, 10 Heyden Street, 104 34 Athens, Greece

International Symposium on Three-dimensional Scoliotic Deformities and the 7th International Symposium on Spinal Deformity and Surface Topography  
June 27-30, 1992 – Montreal  
Dr Jean Dansereau, PhD, Biomedical Engineering Institute, Ecole Polytechnique, PO Box 6079, Station ‘A’, Montreal, Quebec, Canada H3C 3A7

Intensive Course on Fracture Treatment  
June 30-July 3, 1992 – London  

Challenges in Fracture Surgery  

Postgraduate Course in Orthopaedics  
July 13-17, 1992 – Singapore  
The Education Secretary, Department of Orthopaedic Surgery, National University Hospital, Lower Kent Ridge Road, Singapore 0511, Republic of Singapore

External Fixation in Trauma and Orthopaedics  
July 16-17, 1992 – London  

International Arthroscopy Congress: Spanish Arthroscopy Association and the International Arthroscopy Association  
July 19-24, 1992 – Barcelona  
Dr Ramon Cugat, C.H.A.T., Paseo de Gracia, 11, 08007-Barcelona, Spain

Japanese Orthopaedic Association Musculoskeletal Tumor Society: 25th Annual Meeting  
July 17-18, 1992 – Matsuyama City, Japan  
Dr T. Shibata, Chairman, Department of Orthopaedic Surgery, Ehime University, School of Medicine, Shigenobu-cho, Onsen-gun, Ehime, 791-02, Japan

Hungarian Orthopaedic Association: 10th Congress  
August 26-29, 1992 – Budapest  
Professor T. Vizkeley, Ortopediai Klinika, H-1113, Budapest, Karolina út 27, Hungary

European Spine Society: 3rd Annual Meeting  
September 3-5, 1992 – Cambridge  
Mrs L. Cossins, ESS (Cambridge) Secretariat, c/o Pain Relief Foundation, Rice Lane, Liverpool L9 1AE, England

British Orthopaedic Research Society: Autumn Meeting  
(AbSTRACTS BY MAY 31, 1992)  
September 8, 1992 – London  
Mr D. Marsh, Clinical Sciences Building, Hope Hospital, Eccles Old Road, Salford M6 8HD, England

British Orthopaedic Association: Autumn Scientific Meeting  
September 9-11, 1992 – London  
British Orthopaedic Association, 35-43 Lincoln’s Inn Fields, London WC2A 3PN, England

6th Toronto Pelvic and Acetabular Fracture Management Course  
September 12-15, 1992 – Toronto  
Dr Marvin Tile, Room A333, 2075 Bayview Avenue, Toronto, Ontario, Canada M4N 3M5

Orthopaedic French Speaking Association (A.O.L.F.): Third Congress  
(AbSTRACTS BY MARCH 31, 1992)  
September 15-19, 1992 – Quebec  
L’Association d’Orthopédie du Quebec, Congrès AOLF, 2 complexe Desjardins, CP 216, Montreal, Quebec, Canada H3B 1G8

European Orthopaedic Research Association: 2nd Conference  
September 27-30, 1992 – Varese, Italy  
Professor Ugo E. Pazzaglia, Clinica Ortopedica, 2 Facoltà di Medicina e Chirurgia dell’Università di Pavia, Ospedale ‘F. Del Ponte’, Via F. del Ponte, 19, I-21100 Varese, Italy
FORTHCOMING MEETINGS AND COURSES

Course on Radiology of Bones and Joints
November 4-6, 1992 – London
Ms Ann Lucas, Postgraduate Secretary, Institute of Orthopaedics, The Middlesex Hospital, Mortimer Street, London W1N 8AA, England

Society for Back Pain Research: Annual General Meeting
November 6, 1992 – London
Mrs J. Reynolds, Society for Back Pain Research, 309 Bawtry Road, Bessacarr, Doncaster DN4 7PA, England

Pakistan Orthopaedic Association: 7th National Meeting
November 21-22, 1992 – Lahore
Professor Naseer Mahmood Akhtar, ORTH-CON-92, Conference Secretariat, PO Box 760, Lahore, Pakistan

Biomedical Engineering: 7th International Conference
December 2-4, 1992 – Singapore
The Secretary, 7th ICBME, 1992, Department of Orthopaedic Surgery, National University Hospital, 5 Lower Kent Ridge Road, Singapore 0511, Republic of Singapore

American Academy of Neurological and Orthopaedic Surgery: 16th Annual Convention
December 8-13, 1992 – Las Vegas
Dr Michael R. Rask, 2320 Rancho Drive, Suite 108, Las Vegas, Nevada 89102-4592, USA

Current Concepts in Joint Replacement
December 17-19, 1992 – Orlando
Dr A. Seth Greenwald, Mt Sinai Medical Center, Department of Orthopaedic Research, One Mt Sinai Drive, Cleveland, Ohio 44106, USA

Japanese Orthopaedic Association: 66th Annual Meeting
(Abstracts by September 10th, 1992)
April 9-11, 1993 – Kobe City
Dr K. Ono, President, Department of Orthopaedic Surgery, Osaka University Medical School, Fukushima 1-1-50, Fukushima-ku, Osaka 553, Japan

First European Congress of Orthopaedic Surgery
April 21-24, 1993 – Paris
Convergences, 120 avenue Gambetta, 95020 Paris, France

European Society for Surgery of the Shoulder and the Elbow: 7th Congress
June 10-12, 1993 – Aarhus
Secretariat, Orthopaedic Hospital, Randersvej 1, DK-8200 Aarhus N., Denmark

British Orthopaedic Association: Autumn Scientific Meeting
September 13-15, 1993 – Torquay
British Orthopaedic Association, 35-43 Lincoln’s Inn Fields, London WC2A 3PN, England

American Academy of Neurological and Orthopaedic Surgery: 17th Annual Convention
December 7-12, 1993 – Las Vegas
Dr Michael R. Rask, 2320 Rancho Drive, Suite 108, Las Vegas, Nevada 89102-4592, USA

Current Concepts in Joint Replacement
December 16-18, 1993 – Orlando
Dr A. Seth Greenwald, Mt Sinai Medical Center, Department of Orthopaedic Research, One Mt Sinai Drive, Cleveland, Ohio 44106, USA

Detailed advertisements for other meetings and courses, and for senior posts in orthopaedics, will be found in the next section of the Journal.
INSTITUTE OF ORTHOPAEDICS  
(University of London)  
MSc. IN ORTHOPAEDICS

Applications are invited for a full-time twelve month course leading to the Degree of MSc in Orthopaedics in the University of London. Applicants should be graduates in medicine with adequate experience in Orthopaedic Surgery and preferably should hold a higher diploma in surgery.

The course will begin on 5th October 1992. Each student will hold a clinical attachment to an Orthopaedic Unit at the Royal National Orthopaedic Hospital, Stanmore. The Middlesex Hospital or University College Hospital. The academic programme will include lectures and tutorials in all aspects of Orthopaedics and Trauma, Basic Sciences, Radiology, Biomechanics and Pathology. The examination will include written papers, clinicals and vivas. Candidates will be required also to produce a report on a topic related to Orthopaedics.

Further information and details of fees from  
Professor G. Bentely,  
Institute of Orthopaedics, Royal National Orthopaedic Hospital,  
Brockley Hill, Stanmore, Middx HA7 4LP

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SPORTS  
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FELLOWSHIP

The Orthopaedic Division of SPORTSMED SA offers a 12 month Fellowship (comprising 6 months Upper Limb - hand, wrist, elbow, and shoulder and 6 months Lower Limb - (principally knee) commencing July, 1993

SPORTSMED SA is one of the largest sports medicine complexes in Australia and is proud of its commitment to excellence. The Fellowship involves a research commitment at the Royal Adelaide Hospital and is accredited by the Australian Orthopaedic Association and the Medical Board of SA for Fellowship training.

Applicants should contain a full CV and the names of 2 referees. Address application to:

The Fellowship Manager  
SPORTSMED SA, Orthopaedic Division  
32 Payneham Road, Stepney SA 5069  
Adelaide, AUSTRALIA

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THE SECOND SWEDISH  
INTERNATIONAL SEMINAR  
ON FRACTURES IN  
CHILDREN

Stockholm, Sweden  
23 - 25 September 1992

This three day seminar will review the latest concepts of treatment of children's fractures.

Topics to be covered: Varios types of fractures; Remodelling; Non-union; The growth plate and classification of physeal fractures; Management of diaphyseal, metaphyseal and epiphyseal injuries including intra-articular and osteochondral fractures; Prevention and management of fracture complications; Evaluation and management of ligament injuries of the elbow-, knee- and ankle joint; Internal and external fracture fixation; Pathological fractures; Birth fractures; management of posttraumatic premature physeal closure.

The international faculty will include:

OGDEN John A  
M.D.  
Tampa, USA

WILKINS Kaye E  
M.D.  
San Antonio, USA

PARSCH Klaus  
M.D.  
Stuttgart, Germany

KASSER James R  
M.D.  
Massachusetts, USA

HIRSCH Georg  
M.D.  
Stockholm, Sweden

LINDAHL Sten  
M.D.  
Stockholm, Sweden

For additional information please contact:

Elisabeth Åstrand, Conference manager, The Institute of Medical Postgraduate Education, P O Box 656, S-751 27 Uppsala, Sweden, phone (46) 18 - 55 80 20, fax (46) 18 - 55 51 55

Name ________________________________
Address ________________________________
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“MODERN DISSECTION TECHNIQUES of BONE, BIOMETALS, BIOCERAMICS, and BIOPLASTICS”

Ortho 700 for Orthopaedic Surgeons

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<tr>
<th>Location</th>
<th>Dates</th>
<th>Location/ Accommodations</th>
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<td>Snowmass</td>
<td>March 2-3-4, 1992</td>
<td>The Snowmass Club; 0239 Snowmass Club Circle; Snowmass Village, CO 81615.</td>
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<tr>
<td>Dallas</td>
<td>March 12-13-14, 1992</td>
<td>Location/ Accommodations: Hotel Crescent Court; 400 Crescent Court; Dallas, TX 75201; 214-871-3200.</td>
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<tr>
<td>San Francisco</td>
<td>April 9-10-11, 1992</td>
<td>Location/ Accommodations: Sheraton Palace Hotel; 2 New Montgomery Street; San Francisco, CA 94105-3402; 415-392-8600.</td>
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<tr>
<td>Clearwater Beach</td>
<td>April 15-16-17, 1992</td>
<td>Cospromised by The Florida Orthopaedic Institute. Location/ Accommodations: Sheraton Sand Key Resort; 1160 Gulf Boulevard; Clearwater Beach, FL 34630; 813-595-1161.</td>
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<tr>
<td>Cincinnati</td>
<td>May 14-15-16, 1992</td>
<td>Location/ Accommodations: Cincinnati Marriott; 11320 Chester Road; Cincinnati, OH 45246; 513-772-1720.</td>
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<tr>
<td>Hannover, Germany</td>
<td>June 16-17-18, 1992</td>
<td>Location: Congress Centre Stadtspark, Theodor-Heuss-Platz 1-3, D-3000, Hannover 1, Germany. Accommodations: Inter-Continental Hannover, Friedrichswall 11, 3000 Hannover, Germany.</td>
</tr>
<tr>
<td>Toronto, Ontario, Canada</td>
<td>June 18-19-20, 1992</td>
<td>(Precedes the Canadian Orthopaedic Association meeting.) Location/ Accommodations:Inter-Continental Hotel Toronto, 220 Bloor Street West, Toronto, Ontario M5S IT8.</td>
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<tr>
<td>Columbus</td>
<td>August 19-20-21, 1992</td>
<td>Location/ Accommodations: Hyatt Regency Columbus; 360 North High Street; Columbus, OH 43215; 614-463-1234.</td>
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<tr>
<td>Dallas/Fort Worth, New York City, West Palm Beach, Chicago, Los Angeles, Seattle and St. Louis</td>
<td></td>
<td>Hands-On Workshops are also held regularly at the above permanent teaching facilities. Please call or write for schedule at these locations.</td>
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</table>

**SYMPOSIUM OBJECTIVES**

I. Surgeons will explore current concepts in orthopaedic surgery through lectures, conferences, and clinical procedures on video.

II. Surgeons will participate in hands-on workshops with advanced pneumatic instrumentation so their workshopping problems will be refined, expedited, and facilitated.

III. Surgeons who have completed the symposium should be able to apply immediately their amplified skills in the operating room to do their work. **Per se** in the time delineated:

**GENERAL**: Amputations, 1 min. Beveling amputations, 30 sec. Debridement, 3-15 sec. Excortesis, 1-3 min. Tumor excision, IM rodming, Bone graft excision, 30-45 sec. Tibia, fibula, iliac, rib. Osteotomies, small bones and large bones: chevron, Mitchell, step, slight wedge, closing wedge, dome, etc., 1-3 min. Special procedures: Alibee, Chiari, Saltier, etc.


**JOINT REVISION**: Excision of methylmethacrylate from femur, short leg prosthesis, 5-6 min.; extra length prosthesis, 8-15 min.; cemented Austin Moore type, Sivas, and other fenestrated and shaped stems. Excision of polyethylene acetabular cup, 1 min. Transact proud back, 2-5 min. Excision of acetabular methylmethacrylate, 2 min. Excision of tibial component and methylmethacrylate, 2 min.

**BIOMETALS**: Methylmethacrylate - dissect, excise, shape, Polyethylene - abrade in situ, dissect in situ, transect in situ, shape.

**BIOMETALS** (Superalloys, Titanium alloys, Stainless steels): Transect and shape in OR, 1-6 min.; in situ, 1-6 min. Drill and pull broken stems, 5-8 min. (no fenestration required) Transect protruded femoral stem, 4-6 min. Steinmann pins amputated, 2-3 min. Free damaged screw heads from plate, 1-2 min. Excise broken screws, 30 sec.

**SPINE**: 4-Place laminectomy, 6-7 min. Anterior cervical fusion with osteophyte removal, bone graft, 5-4 min. Posterior laminectomy, 5-4 min. Posterior interbody fusions, Foraminotomies, 30 sec. Osteophyte removals, 30 sec. Harrington rod removals, Harrington rod transaction in situ, 2 min. Fusions - posterior and anterior. Disc and nerve root problems, Unroofing nerves, Taking old fusions, 1-8 min.

**ENDOSCOPIC SURGICAL PROCEDURES OF KNEE** (Arthroscopic procedures): Partial meniscectomies, 3-5 min. Complete meniscectomies, 4-7 min. Patellar shaving, 1-3 min. Arthrotomies, 30 sec. Chondromalacia, 3 min. Tendonplasty 3-4 min.

*Procedural times refer to the actual time of running the instrument.*

**Surgeons will be furnished sufficient materials for any special procedure they may envision.**

Fees (US$): Surgeon, $965.00; Fellow/Resident, $585.00; All Operating Room Personnel (RN/CST/PA/Other) $250.00.

Enrollment is limited. Please call to reserve space before sending check or arranging travel plans. All enrollments are made through:

MIDAS REX Institute, 2929 Race Street, Fort Worth, TX 76111-4134 Phone 800-433-7639 or 817-831-2604; FAX 817-834-4835.
INTERNATIONAL SOCIETY FOR MINIMAL INTERVENTION IN SPINAL SURGERY

THIRD BRITISH COURSE ON PERCUTANEOUS AND MINIMAL INTERVENTION SURGERY TO THE LUMBAR DISC

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FRIDAY and SATURDAY MAY 15 and 16, 1992

Update in the form of presentations and debate with hands-on instruction on:

Microdiscectomy
Minimally Invasive Fenestration
Intradiscal Therapies
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DISTINGUISHED INTERNATIONAL FACULTY

Convenor: J. A. N. Shepperd F.R.C.S.

Course Fee: £160

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Mrs Irene Peach, Orthopaedic Department
Royal East Sussex Hospital, HASTINGS
East Sussex TN34 1ER
England

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The Ninth Combined Meeting of the Orthopaedic Associations of the English-Speaking World offers a unique opportunity for orthopaedic surgeons with a program offering:

- International guest speakers
- Plenary sessions
- Instructional courses
- Hands-on program
- Concurrent symposia
- Technical exhibition
- Post congress tours

Make sure to mark these important dates in your calendar

- **June 1991** Registration forms to be distributed
- **August 1, 1991** Deadline for submission of abstracts for oral or poster presentation
- **March 1992** Mailing of Congress preliminary program to all who registered before March, 1992
- **March 1992** Late registration fee
- **June 21-26** Ninth Combined Meeting

For further information:
Congress Canada
Conference Management
191 Niagara St.
Toronto, Ontario M5C 1C9
Telephone (416) 860-1772
Fax (416) 860-0380
G. A. Ilizarov
Kurgan, USSR

His scientific life’s work:

Transosseous Osteosynthesis
Theoretical and Clinical Aspects of the Regeneration and Growth of Tissue

Editorial assistance by S. A. Green


For the past 40 years, G.A. Ilizarov has been perfecting a system of orthopedics and traumatology based upon the tensioned-wire circular external skeletal fixator he invented in 1951. With his apparatus, Ilizarov has revealed a previously hidden capacity to form new osseous tissue under appropriate conditions of stabilization, distraction, and compression.

This profusely illustrated book is the only available comprehensive description of the basic science, biomechanical principles, and clinical strategies of the Ilizarov method. The monograph contains numerous principles and techniques never before published. The text includes an exposition of the historical background of osteosynthesis and a review of the experimental basis of the author’s biological discoveries: the influence of tension-stress upon the genesis and growth of tissues; and the effect of blood supply and loading on the shape-forming processes of bones and joints.

Separate chapters focus on specific Ilizarov methods: fracture care, limb lengthening, deformity correction, the management of pseudarthroses and skeletal defects, and the treatment of osteomyelitis. Other sections deal with Ilizarov’s reconstruction tactics for congenital and acquired disorders of the hand, foot and hip.
DOWELS FOR CLOWARD CERVICAL FUSION
Load-bearing cancellous bone dowels free of epiphyseal cartilage and cortical bone. Each bone is compression tested to insure that it will carry a load well in excess of 250 Kgs. Three-level operations have been performed successfully using Unilab Surgibone.

Sizes available:
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- 12.5 mm dia. x 19.0 mm long - Catalog No. 125-190
- 14.0 mm dia. x 19.0 mm long - Catalog No. 140-190
- 14.5 mm dia. x 19.0 mm long - Catalog No. 145-190
- 16.0 mm dia. x 19.0 mm long - Catalog No. 160-190

One per package - sterile.

BLOCKS FOR SMITH-ROBINSON CERVICAL FUSION
Load-bearing cancellous bone blocks free of epiphyseal cartilage and cortical bone. Each bone is compression tested to insure it will carry a load well in excess of 400 Kgs. Three-level operations have been performed successfully using Unilab Surgibone.

Sizes available:
- 20 mm wide x 15 mm long x 8 mm high - Catalog No. 2015-08
- 20 mm wide x 15 mm long x 10 mm high - Catalog No. 2015-10
- 20 mm wide x 15 mm long x 12 mm high - Catalog No. 2015-12

One per package - sterile.

SINGLE TAPERED WEDGE
Cancellous non-load bearing bone free of epiphyseal cartilage and cortical bone. Tapered full length (for patella).

Sizes available:
- 55 mm long x 15 mm wide x 25 mm high - Catalog No. 5515-25
  (15 mm width tapered to 1 mm)

One per package - sterile.

BLOCKS FOR LUMBAR DISK REPLACEMENT
Load-bearing cancellous bone blocks free of epiphyseal cartilage and cortical bone. Each bone is compression tested to insure that it will carry a load well in excess of 600 Kgs. Two, three or four bones may be used in each level. Three-level operations have been performed successfully using Unilab Surgibone.

Sizes available:
- 30.0 mm long x 10.0 mm wide x 14.0 mm high - Catalog No. 3010-14
- 30.0 mm long x 10.0 mm wide x 16.0 mm high - Catalog No. 3010-16
- 30.0 mm long x 10.0 mm wide x 18.0 mm high - Catalog No. 3010-18
- 30.0 mm long x 10.0 mm wide x 20.0 mm high - Catalog No. 3010-20
- 30.0 mm long x 10.0 mm wide x 22.0 mm high - Catalog No. 3010-22

One per package - sterile.

COMPOUND TAPERED WEDGE
Cancellous non-load bearing bone free of epiphyseal cartilage and cortical bone. Multiple tapers for patella.

Sizes available:
- 55 mm long x 10 mm wide x 25 mm high - Catalog No. 5510 TPR
- 55 mm long x 13 mm wide x 25 mm high - Catalog No. 5513 TPR
- 55 mm long x 15 mm wide x 25 mm high - Catalog No. 5515 TPR
- 60 mm long x 15 mm wide x 30 mm high - Catalog No. 6015 TPR

One per package - sterile.

THREADED DOWELS
Load-bearing cancellous bone free of epiphyseal cartilage and cortical bone. Each bone is compression tested to insure that it will carry a load well in excess of 250 Kgs.

Sizes available:
- 12 mm dia. x 19.0 mm long - Catalog No. 120-19T
- 14 mm dia. x 19.0 mm long - Catalog No. 141-19T
- 16 mm dia. x 19.0 mm long - Catalog No. 160-19T

One per package - sterile.

BLOCKS FOR LUMBAR DISK REPLACEMENT
Load-bearing cancellous bone blocks free of epiphyseal cartilage and cortical bone. Each bone is compression tested to insure that it will carry a load well in excess of 600 Kgs. Two bones must be used in each level. Three-level operations have been performed successfully using Unilab Surgibone.

Sizes available:
- 15 mm wide x 20.0 mm high - Catalog No. 2015-14
- 15 mm wide x 16.0 mm high - Catalog No. 2015-16
- 15 mm wide x 12.0 mm high - Catalog No. 2015-18
- 15 mm wide x 10.0 mm high - Catalog No. 2015-20
- 15 mm wide x 8.0 mm high - Catalog No. 2015-22

One per package - sterile.

Photos shown actual size
No pre-operative preparation of the bone such as soaking is required. The normal operative procedure is followed except that Unilab Surgibone is used in place of autologous or homologous bone. During the post-operative period the process known as ‘creeping substitution’ takes place, leading to formation of host bone, absorption of Unilab Surgibone and fusion.

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A large load-bearing cancellous bone disk free of epiphyseal cartilage and cortical bone for use in any area where a large mass is needed. Primarily for condyle repair.

Size available:
40 mm dia. x 10 mm high - Catalog No. 400-100
One per package - sterile.

**CUBES (CUT)**
Cancellous non-load bearing bone free of epiphyseal cartilage and cortical bone. Cut, not crushed. For use in filling voids from cysts or tumors.

Size available:
5.0 mm x 5.0 mm x 5.0 mm - 10 gram package (Vol. 30 cc)
Catalog No. 0505-10
Sterile.

**ONLAY GRAFTS**
Cancellous bone one side and cortical bone on the other. Used for splicing or grafting where strength is required.

Sizes available:
120 mm long x 15 mm wide x 6 mm thick - Catalog No. 120-156
100 mm long x 15 mm wide x 6 mm thick - Catalog No. 100-156
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